

WHAT IS CLAIMED IS:

1. A small watercraft comprising:
 - a four-cycle engine;
 - an engine speed sensor configured to output a signal according to an engine speed of the engine;
 - a hydraulic-pressure sensor configured to output the signal according to a pressure of oil that circulates within the engine; and
 - a hydraulic-pressure detecting portion configured to detect an engine speed of the engine and the pressure of the oil based on the signal from the engine speed sensor and the signal from the hydraulic-pressure sensor, respectively, wherein the hydraulic-pressure detecting portion has a detection mode to detect whether or not the pressure of the oil obtained from the hydraulic-pressure sensor is not more than a predetermined threshold, when detecting that the engine speed obtained from the engine speed sensor is within a predetermined range.
2. The small watercraft according to Claim 1, further comprising:
 - a control portion configured to control an operation of the engine, wherein the control portion is configured to limit the engine speed to a predetermined engine speed or less when the hydraulic-pressure detecting portion detects that the pressure of the oil obtained from the hydraulic-pressure sensor is not more than the predetermined threshold.

3. The small watercraft according to Claim 1, further comprising:
a control portion configured to control an operation of the engine; and
a notification portion configured to operate based on a signal from the control portion, wherein

the control portion is configured to output the signal to cause the notification portion to operate when the hydraulic-pressure detecting portion detects that the pressure of the oil obtained from the hydraulic-pressure sensor is not more than the predetermined threshold.

4. The small watercraft according to Claim 1, wherein the detection mode includes:

a first detection mode to detect whether or not the pressure of the oil is not more than a first threshold when the engine speed of the engine is within a first predetermined range; and

a second detection mode to detect whether or not the pressure of the oil is not more than a second threshold which is higher than the first threshold when the engine speed is within a second range higher than the first range.

5. The small watercraft according to Claim 4, further comprising:

a control portion configured to control an operation of the engine, wherein the control portion is configured to control the engine speed to be not more than the predetermined engine speed when it is detected that the pressure of the oil is not more than the first threshold in the first detection mode.

6. The small watercraft according to Claim 4, further comprising:
a control portion configured to control an operation of the engine; and
a notification portion configured to operate based on a signal from the control portion, wherein

the control portion is configured to output the signal to cause the notification portion to operate when it is detected that the pressure of the oil is not more than the second threshold in the second detection mode.

7. The small watercraft according to Claim 4, wherein the hydraulic-pressure sensor includes a first hydraulic-pressure sensor configured to output a signal according to the pressure of the oil in the first detection mode and a second hydraulic-pressure sensor configured to output a signal according to the pressure of the oil in the second detection mode.